

City of Soledad **1999 Solid Waste Generation Study**

Prepared for
City of Soledad
P.O. Box 156
Soledad, CA 93960

and

Salinas Valley Solid Waste Authority
337 Melody Lane
Salinas, CA 93901

Prepared by
Brown, Vence & Associates
65 Battery Street, Suite 200
San Francisco, CA 94111

March 22, 2002

City of Soledad 1999 Solid Waste Generation Study

Introduction

The Salinas Valley Solid Waste Authority (SVSWA) has sponsored this new solid waste generation study for the City of Soledad to better document the City's existing diversion and to employ the same documentation techniques for each of its member cities.

As reflected in its most recent AB 939 Annual Report, the City of Soledad has implemented all of its AB 939 programs designed to reach the City's diversion goal, including both residential and commercial recycling programs. However, in estimating the City's current diversion using the City's 1990 base year and the California Integrated Waste Management Board (CIWMB) adjustment factors, the diversion rate was estimated to be 52 percent for 1999, but 42% in 2000.

Recognizing the discrepancy between program implementation and its calculated diversion rate, the City can use a new Solid Waste Generation Study for the purpose of establishing a new (1999) more accurate base year.

Brown, Vence & Associates (BVA) has assisted the City in identifying existing diversion programs being implemented by the private sector and documented existing diversion tonnages for both City-sponsored programs and private sector recycling. This study demonstrates that the City's diversion rate in 1999 was 76% percent. A significant amount of this diversion has been carried out by institutions and private businesses. These efforts were not fully recognized in the 1990 base year and are not reflected in the City's 1999 or 2000 diversion rate using the adjustment factors.

Methodology

BVA accumulated data for the solid waste generation study through:

- Written surveys completed by City staff documenting the City's in-house diversion
- Written and phone surveys completed by City Public Works staff documenting diversion from City sponsored projects
- Phone surveys to local and regional materials handlers, including recyclers and landscapers
- Phone surveys to local business and institutional generators
- On-site waste assessments conducted by Ecology Action staff at local businesses documenting the recycling and waste prevention practices
- Franchise hauler reports
- Department of Conservation recycling reports
- Garage Sale survey data

The written, phone and on-site surveys were conducted pursuant to the guidelines published in the CIWMB Diversion Study Guide. All diversion tonnages were

documented as actual tons diverted. No attempt was made to extrapolate the data across business sectors. BVA conducted a regional thrift store survey to justify the use of 425.7 tons of diversion for the City's thrift store, but has zeroed out the tonnage for this report due to lack of general consensus at the CIWMB as to appropriate counting methodology.

Material handlers were identified through use of regional phone books and Internet databases. Businesses selected for site visits were targeted as the largest employers and identified by City staff through the business license database.

Summary of Waste Prevention and Recycling Audits

BVA successfully conducted 7 material handler surveys and 4 phone surveys of large commercial entities in the City. Ecology Action conducted an additional 11 total on-site waste assessments and city staff conducted 4. These assessments together documented 18,055.41 tons of diversion in the City. In order to avoid any double-counting, no tonnage was included in the site assessment tonnage from the franchise haulers, the contacted materials handlers, or for redemption value material. For example, if a business had a cardboard bin from the franchised hauler, this was noted but not included in the site assessment tonnage. However, if a business was baling and selling its cardboard, the tonnage was included.

The site assessments were essential to understanding the City's true diversion. Many businesses in the City participate in private recycling programs and practice waste prevention techniques not previously documented by the City. The site assessments were valuable in both documenting the City's diversion and identifying service voids. Several businesses were referred to the City's franchise hauler for recycling program enhancements.

Table 1 shows the results of the on-site waste assessments. The business names have been blacked out to protect any proprietary information and preserve confidentiality.

New Base Year Study Calculation Details

Table 2 provides the New Base Year Calculation Details demonstrating that the City's 1999 diversion rate was 76 percent. The City has a per capita waste generation rate of 6 pounds per person per day. This rate is consistent with statewide averages.

Restricted Wastes

No restricted wastes were included in the waste generation study except for an increase after 1990 of 20 tons from the prison due to increased growth in activity and more emphasis on waste diversion. These programs qualify under Public Resource Code Section 41781.2 as a new (since 1990) City-sponsored program and may be included in the new base year.

Conversion Factors

Unless otherwise indicated, all conversion factors used in the solid waste generation study are those identified in Appendix J of the Diversion Study Guide.

Supplementary Documentation

Attached to this report are the following supplementary documents:

- Department of Conservation Reports

Base Year Modification Request Certification Form

Attached to this report is the Base Year Modification Request Certification Form. The City formally petitions the CIWMB to recognize its 1999 diversion rate and establish 1999 as the City's new base year.

STATE OF CALIFORNIA - THE RESOURCES AGENCY

GRAY DAVIS, Governor

DEPARTMENT OF CONSERVATION

801 K Street, MS 22-57
Sacramento, CA 95814
(916) 327-2795 Phone
(916) 323-0732 Fax



October 25, 2000

Kurt Hunter
Recycling & Hazardous Materials Specialist
Salinas Valley Solid Waste Authority
65 West Alisal Street Suite 210
Salinas, CA 93901

Dear Mr. Hunter:

This is in response to your letter sent to the Department of Conservation, Division of Recycling (Division) requesting and 1999 volume information for Gonzales, Greenfield, King City, Salinas, and Soledad.

Enclosed is the information you requested.

The information being provided by the Division is proprietary. It is being provided with the understanding that you will accept and protect the information in accordance with the requirements of Sections 14551(b) and 14554 of the Public Resources Code, and Section 6254.5 (e) of the Government Code.

In accordance with Section 2945, of the California Code of Regulations (Regulations), the Division is providing aggregated volume information (in pounds). The "received weight" includes other food and drink containers, as well as beverage containers covered by the Act.

If you have any questions regarding the information provided, please contact Kimberly Bryant at (916) 323-4748.

Sincerely,

A handwritten signature in black ink, appearing to read "John Halligan", written over a horizontal line.

John Halligan
Supervisor
Data Analysis Section

Enclosure

CC: Ruth Abbe, Brown Vence & Associates

1999 VOLUME FOR SALINAS VALLEY

CERT_ID	CITY	Sum of AL RCVD LBS	Sum of GL RCVD LBS	Sum of PL RCVD LBS	Sum of BI RCVD LBS
CS0147	City of Monterey	41,385.0	2,081,110.0	188,161.0	0.0
CS0320	City of Salinas	62,627.8	1,473,160.0	206,812.6	0.0
CS0690	City of King	3,470.2	133,591.0	11,716.3	0.0
		107,582.0	3,687,861.0	406,689.9	0.0
RC0373	Monterey	28,514.0	662,352.0	7,661.0	0.0
RC10040	Salinas	0.0	0.0	0.0	0.0
RC1485	Salinas	47,101.0	151,750.0	10,356.0	0.0
RC3685	King City	0.0	0.0	0.0	0.0
RC4216	Monterey	117,671.0	360,961.0	31,055.0	0.0
RC4641	Salinas	0.0	0.0	0.0	0.0
RC5374	Salinas	59,301.0	235,040.0	23,579.0	0.0
RC6929	Gonzales	87,644.5	206,655.0	21,185.5	0.0
RC6930	King City	127,633.5	272,645.0	18,857.0	0.0
RC6931	Soledad	167,894.0	420,218.3	29,621.6	0.0
RC6997	Salinas	370,685.0	810,840.0	56,245.0	0.0
RC7069	Salinas	25,352.0	106,590.0	7,952.0	0.0
RC7073	Monterey	14,261.0	81,332.0	4,798.0	0.0
RC7818	Salinas	193,515.2	869,589.1	45,970.7	0.0
RC7847	King City	139,479.0	277,805.0	18,140.0	0.0
RC9061	Salinas	458,022.0	0.0	37,260.0	0.0
RC9062	Greenfield	179,747.0	305,600.0	14,094.0	0.0
RC9893	Salinas	594,451.9	1,378,551.2	97,903.0	0.0
		2,611,299.1	6,139,928.6	424,677.8	0.0
GRAND TOTAL		2,718,801.1	9,827,789.6	831,367.7	0.0

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

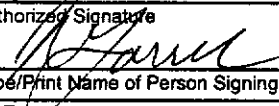
- ☐ 1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name		County	
City of Soledad		Monterey	
Authorized Signature 		Title Community Development Director	
Type/Print Name of Person Signing	Date	Phone () Include Area Code	
Bill Farrell	3/27/02	831-678-3963, x114	
Person Completing This Form (please print or type)		Title	
Heidi Melander		Associate- Brown, Vence & Associates	
Affiliation: Consultant			
Mailing Address		City	State
248 Main St., P.O. Box 156		Soledad	CA
E-mail address		ZIP Code	
bfarrel@cityofsoledad.com		93960	

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., 4).

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base-year:

1990

2. Proposed new generation-based study year:

1999

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

The City has undertaken the preparation of a new waste generation study in order to more fully and accurately assess the City's diversion rate. 1999 is the most recent year in which both disposal and diversion data was available.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year

a. 52 %

Diversion rate calculated using new generation-based study

b. 76 %

For existing base year pounds/person/day based on generation

3.02

For new generation based study pounds/person/day based on generation

5.98

Residential generation 16 % Non-Residential Generation 84 %

Residential generation 12% % Non-Residential generation 88% %

Population existing generation-based study 23,100

Population new generation-based study 23,100

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.

According to its most recent PARIS report, Soledad has implemented 30 diversion programs since 1990. These efforts, and those of the private sector, are not appropriately reflected in the City's current diversion rate. The 1999 Waste Generation Study identified previously undocumented diversion through site visits and surveys of the City's commercial businesses and surveys of materials handlers and solid waste facilities. The increase in the pounds per person per day is a result of the increase in the diversion activities since 1990.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The City has implemented a significant number of diversion programs since 1990 and the 1999 Waste Generation Study has identified previously undocumented diversion by the City's private sector.

7. Disposal Tonnage: (enter values)

2094	4021	6116
Residential	Non-Residential	Total

Please select the ONE choice below that best explains your disposal data and complete the required tables.

☒ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at <http://www.ciwrmb.ca.gov/igcentral/forms/ymndrq.doc>)

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at <http://www.ciwrmb.ca.gov/igcentral/forms/ymndrq.doc>)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from resinduced wastes, [agricultural wastes, inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal] please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms. Please provide detailed Non-Residential waste information in Section 9.

Please provide detailed non-Residential waste audit information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwrmb.ca.gov/igcentral/baifs/codes/reduce.htm	(A)	(A/Total Generation)		
Residential Activities:				
Source Reduction				
Backyard composting		0.0%		
Grasscycling		0.0%		
Other Residential source reduction (list each program separately)				
Garage Sales	0	0.0%	various	.35 tons/garage sale
Enter program name		0.0%		
Enter program name		0.0%		
Enter program name		0.0%		
Subtotal Residential Source Reduction	0	0.0%		
Recycling				
Curbside Recycling	323	1.3%	paper, co-mingled containers	actual
Buyback centers	309	1.2%	aluminum, glass, plastic	actual
Drop-off centers				

Diversion Activity	Actual tons	Relative Percent to Total Generation (A/Total Generation)	Specific material type(s) (List operation w/multiple materials if one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmmb.ca.gov/cgcentral/parts/codes/reduce.htm					
Other Residential recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Recycling	631	2.5%			
Composting					
Green waste drop-off					
Curb-side green waste	247	1.0%	green waste	actual	
Christmas Tree program					
Other Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Composting	247	1.0%			
Subtotal Residential Diversion	878	3.5%			
Non-Residential Activities:					
Source Reduction					
Non-Residential Waste Audits*	65	0.3%			
Other non-Residential source reduction (list each program separately)					
City Grasscycling	18	0.1%	grasscycling	350lb/1000 sq ft/yr	
Material Handlers	44	0.2%	wood mulch,	actual, interview	
Enter program name					
Enter program name					
Subtotal Non-Residential Source Reduction	127	0.5%			

Diversion Activity	Actual tons (A)	Relative Percent to Total Generation	Specific material types (List operation with multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Recycling					
Non-Residential Waste Audits*	11027	43.7%	See Section 9	See Section 9	See Section 9
Other non-Residential recycling (list each program separately)					
Material handlers	176	0.7%	meat scrap, pallets		
Commercial hauler	176	0.7%	OCC		
Government Recycling	0	0.0%	toner cartridge (.01 tons)	actual 2.5 lb/ea	
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	11378	45.1%			
Composting					
Non-Residential Waste Audits*	6744	26.7%	See Section 9	See Section 9	See Section 9
Other non-Residential composting (list each program separately)					
ADC	1	0.0%	ADC		
Sludge	0	0.0%	municipal		
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	6745	26.7%			
Subtotal Non-Residential Diversion Residential/Non-Residential Diversion Activities	18250	72.3%			
ADC					
Sludge					
Scrap metal					
Construction and demolition					
Landfill salvage					
Subtotal Residential/Non-Residential diversion	0	0.0%			
Total Res/Non-Res Source Reduction Tons	127	0.5%			
Total Diversion Tons	19129	75.8%			
Total Disposal Tons from Sec.7	6116	24.2%			
Total Generation Tons (Div+Dis)	25245				
Diversion Rate	76%				

Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Toner Cartridges: (5) 23 toner cartridges were recycled @ 2.5 lb/ea for a total of 0.03 tpy. (6) 18 toner cartridges were recycled @2.5 lb/ea for a total of 0.02 tpy. (7) 50 toner cartridges were recycled @2.5 lb/ea for a total of 0.0635 tpy. (8) 42 toner cartridges were recycled @2.5 lb/ea for a total of 0.0525 tpy.

Table 1 Documented Diversion by Generator

City of Soledad 1999

Ref. No.	City	Source	Type of business	Matl. Type	Method	Qty.	Unit	Freq.	Conversion Factor	Tons /Period	Tons/Yr
Material Handlers											
JHHAUL2	Soledad		Tallow Hauler	Meat scrap	recycling	103	tons	year		103.20	103.20
JHHAUL3	Soledad		Tallow Hauler	Meat scrap	recycling	48	tons	year		48.49	48.49
JHHAUL16	Soledad		Pallet hauler	Pallets	recycling	24	tons	year		24.00	24.00
JHHAUL22	Soledad		Tree Service	Wood mulch	SR/reuse	1	tons	year		1.00	1.00
JHHAUL24	Soledad		Tree Service	Wood mulch	SR/reuse	12	tons	year		12.00	12.00
JHHAUL25	Soledad		Tree Service	Wood mulch	SR/reuse	31	tons	year		31.20	31.20
MN01	Soledad		Thrift Stores	various	SR/reuse	426	tons	year		425.70	0.00
Subtotal from Material Handlers											220

Ecology Action Site Visits

AS1			Motel	cardboard	recycling	5.2	tons	year		0.00	0.00
AS2			Fast food	cardboard	recycling	10.4	tons	year		0.00	0.00
AS3			Multi-unit complex	aluminum	recycling	0.1	tons	year		0.00	0.00
AS4			Medical	cardboard	recycling	10.4	tons	year		0.00	0.00
AS5			Store	aluminum	recycling	0.1	tons	year		0.00	0.00
AS6			Store	Paper & Cardboard	recycling	11.1	tons	year		0.00	0.00
AS7			Fast food	cardboard	recycling	10.4	tons	year		0.00	0.00
AS8			Trailer Park	aluminum	recycling	0.3	tons	year		0.00	0.00
AS9			Gas station	aluminum	recycling	0.04	tons	year		0.00	0.00
AS10			Multi-unit complex	Glass bottle	recycling	1.0	tons	year		0.00	0.00
AS11			Motel/Trailer Pk.	aluminum	recycling	5.1	tons	year		0.00	0.00
Subtotal from Ecology Action											0.00

Department of Conservation

RC6931			recycler	Aluminum	recycling	167894	lbs	year		83.95	83.95
				Glass	recycling	420218.3	lbs	year		210.11	210.11
				Plastic	recycling	29621.6	lbs	year		14.81	14.81
Subtotal from DOC											308.87

Franchise Hauler

RA01		Tri-Cities Recycling	Hauler	Paper		187	tons	year		187.03	187.03
				Commingled containers		136	tons	year		135.60	135.60
				Yard waste		247	tons	year		247.42	247.42
				Cardboard		176	tons	year		175.79	175.79
Subtotal Franchise Haulers											745.84

November 19-20, 2002
Telford, PA

September 19-20, 2002
Table 1 Documented Diversion by Generator

City of Soledad 1999

Ref. No.	City	Source	Type of business	Mail. Type	Method	Qty.	Unit	Freq.	Conversion Factor	Tons /Period	Tons/Yr
Business Phone Surveys											
JHPS01	Soledad		Grocery Store	Commercial	Cardboard	recycling	2,800	lbs	week	700 lb/ea ba	72.80
					plastic crates	SR/reuse	500	lbs	week		0.25
					pallets	SR/reuse	1,980	lbs	week		0.00
					chep pallets	SR/reuse	358	lbs	week		0.00
					Damaged goods	SR/reuse	300	lbs	month		0.00
					donated food	SR/reuse	100	lbs	year		1.80
					meat scrap	recycling	400	lbs	week		0.05
					wood scrap	burned as fuel	2,200	lbs	year		0.20
JHPS02	Soledad		Packing plant		Produce cull	recycling	10,380	tons	year		1.10
					Scrap metal (post 1990)	recycling	40	tons	year	verbal report	0.00
					Cardboard	recycling	10	tons	year	verbal report	0.00
JHPS03	Soledad		Grape processing		Grape Must composted	composting	6,000	tons	year	verbal report	0.00
					pallets	reuse	140	lbs	month	40 lb/ea	0.00
					steel drums	reuse	30	lbs	month	30 lb/ea	0.00
					plastic drums	reuse	15	lbs	month	15 lb/ea	0.00
HMPS01	Soledad		prison		mixed paper	recycling	37	tons	year	actual	36.50
					cardboard	recycling	345	tons	year	actual	344.82
					landscape composting	composting	504	tons	year	actual	504.00
					PET bottles	recycling	3	tons	year	actual	3.45
					HDPB	recycling	11	tons	year	actual	11.00
					post 1990 metals-20 %	recycling	20	tons	year	actual	20.30
					steel cans	recycling	66	tons	year	actual	66.03
					rendering	recycling	1	tons	year	actual	0.00
					wood waste	recycling	91	tons	year	actual	90.92
					rag	SR/reuse	2	tons	year	actual	2.08
					manure	composting	6,240	tons	year	actual	6,240.00
					clothing	SR/reuse	59	tons	year	actual	59.43
					tires	recycling	2	tons	year	actual	1.54
										Subtotal Business Phone Surveys	
										17,833.45	

Landfill Diversion

CIWMB		Landfill diversion 1999	Landfill	Commercial	ADC		0.7	tons	year		0.72	0.72
Subtotal Landfill Diversion												0.72

City Departments and City Permitted Recycling Activities

[illegible]

Table 1 Documented Diversion by Generator

Ref. No.	City	Source	Type of business	Matl. Type	Method	Qty.	Unit	Freq.	Conver- sion Factor	Tons /Period	Tons/Yr
City Schools											
StyleSA		Soledad High School	school	commercial	recycling	0.03 tons	tons	year	2.5lb/ea	0.03	0.03
				paper	reuse/SR	0.36 tons	tons	year	5lb/ream	0.36	0.36
StyleSB		Main Street Middle Sch	school	commercial	reuse/SR	5 tons	tons	year	45lb/ea	5.40	0.00
				paper	reuse/SR	0.32 tons	tons	year		0.32	0.32
				toner cartridges	recycling	0.02 tons	tons	year		0.02	0.02
StyleSC		Gablian Elementary	school	commercial	reuse/SR	5 tons	tons	year	45lb/ea	4.70	0.00
				toner cartridges	recycling	0.1 tons	tons	year		0.06	0.06
				paper	reuse/SR	0.3 tons	tons	year		0.32	0.32
				wood pallets	reuse/SR	3.8 tons	tons	year	40lb/ea	3.80	0.00
				tires	recycling	0.6 tons	tons	year	45lb/ea	0.56	0.56
				batteries	recycling	0.1 tons	tons	year		0.13	0.00
StyleSD		San Vicente Elementary	school	commercial	reuse/SR	0.23 tons	tons	year		0.23	0.23
				toner cartridges	recycling	0.1 tons	tons	year		0.05	0.05
				wood pallets	reuse/SR	4 tons	tons	year	45lb/ea	3.69	0.00
Subtotal Schools											1.96

Total Diversion	19,129.0
Total Disposal	6,115.78

Diversion Rate	76%
Generation	25,244.8
Population	23,100
Tons generated per capita	1.09
Pounds generated per person/day	6.0

Table 2 New Base Year Calculation Details

Soledad		
New Base Year Generation Study 1999		
Calculation Details		
		1999 tons
A	Residential Sector Summary	
	Residential Disposal (Franchise Hauler Data)	2,094.40
	Residential Recycling (Franchise Hauler Data)*	570.05
	AB 2020 Recycling (Department of Conservation Data)	308.87
	Materials Handlers	-
	Garage Sales	-
	Residential Diversion Tonnage	878.92
	Residential Generation Tonnage	2,973.32
	Residential Diversion Rate	30%
B	Commercial and Industrial Sector Summary	
	Commercial Disposal (Franchise Hauler)	1,877.29
	Industrial Disposal (Franchise Hauler)	544.90
	Self-Haul (Landfill Records)	1,599.19
	Commercial Recycling (Franchise Hauler)**	175.79
	Materials Handlers	219.89
	Business Waste Assessments	17,835.41
	Public Works/City Departments	18.31
	Commercial Diversion Tonnage	18,249.40
	Commercial Generation Tonnage	22,270.78
	Commercial Diversion Rate	82%
C	Diversion Reported by Monterey County	
	Landfill Diversion	0.72
D	Overall 1999 Soledad Summary	
	1999 Disposal Tonnage	6,115.78
	1999 Diversion Tonnage	19,129.03
	1999 Generation Tonnage	25,244.81
	1999 Diversion Rate	76%
	Percent residential generation	12%
	Percent non-residential generation	88%

* includes paper, comingled containers, and yard waste

**includes only cardboard

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.").

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Pull Down for Waste Types ▼	post- 1990 increase of 20%	post-1990	20
Pull Down for Waste Types ▼	post- 1990 new program-zeroed out	post-1990	40
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (**Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information. _____ (Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note:** Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

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Ref. No.	City	Source	Type of business	Matl. Type	Method	Qty.	Unit	Freq.	Conversion Factor	Tons /Period	Tons/Yr
Material Handlers											
JHHAUL2	Soledad		Tallow Hauler	Meat scrap	recycling	103	tons	year	verbal report	103.20	103.20
JHHAUL3	Soledad		Tallow Hauler	Meat scrap	recycling	48	tons	year	verbal report	48.49	48.49
JHHAUL16	Soledad		Pallet hauler	Pallets	recycling	24	tons	year	verbal report	24.00	24.00
JHHAUL22	Soledad		Tree Service	Wood mulch	SR/reuse	1	tons	year	2tons/load	1.00	1.00
JHHAUL24	Soledad		Tree Service	Wood mulch	recycling	12	tons	year	verbal report	12.00	12.00
JHHAUL25	Soledad		Tree Service	Wood mulch	SR/reuse	31	tons	year	verbal report	31.20	31.20
JHHAUL25	Soledad		Thrift Stores	various	SR/reuse	426	tons	year	survey	425.70	0.00
Subtotal from Material Handlers											219.89

Ecology Action Site Visits											
AS1			Motel	cardboard	recycling	5.2	tons	year	N/A	0.00	0.00
AS2			Fast food	cardboard	recycling	10.4	tons	year	N/A	0.00	0.00
AS3			Multi-unit complex	aluminum	recycling	0.1	tons	year	N/A	0.00	0.00
AS4			Medical	cardboard	recycling	10.4	tons	year	N/A	0.00	0.00
AS5			Store	aluminum	recycling	0.1	tons	year	N/A	0.00	0.00
AS6			Store	Paper & Cardboard	recycling	11.1	tons	year	N/A	0.00	0.00
AS7			Fast food	cardboard	recycling	10.4	tons	year	N/A	0.00	0.00
AS8			Trailer Park	aluminum	recycling	0.3	tons	year	N/A	0.00	0.00
AS9			Gas station	aluminum	recycling	0.04	tons	year	N/A	0.00	0.00
AS10				Glass bottle	recycling	1.0	tons	year	N/A	0.00	0.00
AS10			Multi-unit complex	aluminum	recycling	5.1	tons	year	N/A	0.00	0.00
AS11			Motel/Trailer Pk.	aluminum	recycling	0.5	tons	year	N/A	0.00	0.00
Subtotal from Ecology Action											0.00

Department of Conservation											
RC6931			recycler	Aluminum	recycling	167894	lbs	year	actual	83.95	83.95
				Glass	recycling	420218.3	lbs	year	actual	210.11	210.11
				Plastic	recycling	29621.6	lbs	year	actual	14.81	14.81
Subtotal from DOC											308.87

Franchise Hauler											
RA01		Tri-Cities Recycling	Hauler	Residential	Paper	187	tons	year	actual	187.03	187.03
				Residential	Corrugated containers	136	tons	year	actual	135.60	135.60
				Residential	Yard waste	247	tons	year	actual	247.42	247.42
				Commercial	Cardboard	176	tons	year	actual	175.79	175.79
Subtotal Franchise Haulers											745.84

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Ref. No.	City	Source	Type of business	Matl. Type	Method	Qty.	Unit	Freq.	Conversion Factor	Tons /Period	Tons/Yr
Business Phone Surveys											
JHPS01	Soledad		Grocery Store	Commercial	Cardboard	recycling	2,800 lbs	week	700 lb/ea bale	1.40	72.80
					plastic crates	SR/reuse	500 lbs	week	2 lb/ea	0.25	0.00
					pallets	SR/reuse	1,980 lbs	week	40lb/ea	0.99	0.00
					chep pallets	SR/reuse	358 lbs	week	65 lb/ea	0.18	0.00
					Damaged goods	SR/reuse	300 lbs	month	30 lb/ box	0.15	1.80
					donated food	SR/reuse	100 lbs	year	50 lb/load	0.05	0.05
					meat scrap	recycling	400 lbs	week	N/A	0.20	0.00
					wood scrap	burned as fuel	2,200 lbs	year	N/A	1.10	0.00
JHPS02	Soledad		Packing plant		Produce cull	recycling	10,380 tons	year	actual	10,380.27	10,380.27
					Scrap metal (post 1990)	recycling	40 tons	year	verbal report	40.00	0.00
					Cardboard	recycling	10 tons	year	verbal report	10.00	0.00
JHPS03	Soledad		Grape processing		Grape Must composted	composting	6,000 tons	year	verbal report	6,000.00	0.00
					pallets	reuse	140 lbs	month	40 lb/ea	0.07	0.00
					steel drums	reuse	30 lbs	month	30 lb/ea	0.02	0.00
					plastic drums	reuse	15 lbs	month	15 lb/ea	0.01	0.00
					mixed paper	recycling	37 tons	year	actual	36.50	36.50
HMPS01	Soledad		prison		cardboard	recycling	345 tons	year	actual	344.82	344.82
					landscape composting	composting	504 tons	year	actual	504.00	504.00
					PET bottles	recycling	3 tons	year	actual	3.45	3.45
					HDPE	recycling	11 tons	year	actual	11.00	11.00
					post 1990 metals-20%	recycling	20 tons	year	actual	20.30	20.30
					steel cans	recycling	66 tons	year	actual	66.03	66.03
					rendering	recycling	1 tons	year	actual	0.00	0.00
					wood waste	recycling	91 tons	year	actual	90.92	90.92
					rags	SR/reuse	2 tons	year	actual	2.08	2.08
					manure	composting	6,240 tons	year	actual	6,240.00	6,240.00
					clothing	SR/reuse	59 tons	year	actual	59.43	59.43
					tires	recycling	2 tons	year	actual	1.54	0.00
Subtotal Business Phone Surveys											17,833.45

Landfill Diversion											
CIWMB		Landfill diversion 1999	Landfill	Commercial	ADC		0.7 tons	year		0.72	0.72
Subtotal Landfill Diversion											0.72

City Departments and City Permitted Recycling Activities											
CityData	Soledad	Survey	City		grasscycling	SR	18 tons	year	CIWMB	18.30	18.30
			DPW		green waste	recycling	35 tons	year	46.69lb/cy	35.00	0.00
					dredged sludge	reuse/SR	2,813 tons	year	45 lb/cft	2,812.50	0.00
					toner cartridges	recycling	13 lbs	year	2.5lb/ea	0.01	0.01
HM01	Soledad	city permits	garage sales	Residential	various	SR/reuse	147 tons	year	survey	146.65	0.00
Subtotal City Depts											18.31

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Ref. No.	City	Source	Type of business	Mail Type	Method	Qty.	Unit	Freq.	Conversion Factor	Tons/Period	Tons/Yr
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City Schools

StyleSA			school	commercial	toner cartridges	recycling	0.03	tons	year	2.5lb/ea	0.03	0.03
					paper	reuse/SR	0.36	tons	year	5lb/ream	0.36	0.36
StyleSB			school	commercial	wood pallets	reuse/SR	5	tons	year	45lb/ea	5.40	0.00
					paper	reuse/SR	0.32	tons	year	written estimate	0.32	0.32
					toner cartridges	recycling	0.02	tons	year	written estimate	0.02	0.02
StyleSC			school	commercial	wood pallets	reuse/SR	5	tons	year	45lb/ea	4.70	0.00
					toner cartridges	recycling	0.1	tons	year	written estimate	0.06	0.06
					paper	reuse/SR	0.3	tons	year	written estimate	0.32	0.32
					wood pallets	reuse/SR	3.8	tons	year	40lb/ea	3.80	0.00
					tires	recycling	0.6	tons	year	45lb/ea	0.56	0.56
					batteries	recycling	0.1	tons	year	N/A	0.13	0.00
StyleSD			school	commercial	paper	reuse/SR	0.23	tons	year	written estimate	0.23	0.23
					toner cartridges	recycling	0.1	tons	year	written estimate	0.05	0.05
					wood pallets	reuse/SR	4	tons	year	45lb/ea	3.69	0.00
Subtotal Schools												1.96

Total Diversion	19,129.0
Total Disposal	6,115.78

Diversion Rate	76%
Generation	25,244.8
Population	23,100
Tons generated per capita	1.09
Pounds generated per person/day	6.0